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Johnson Limit between f_T and BV_{ceo}

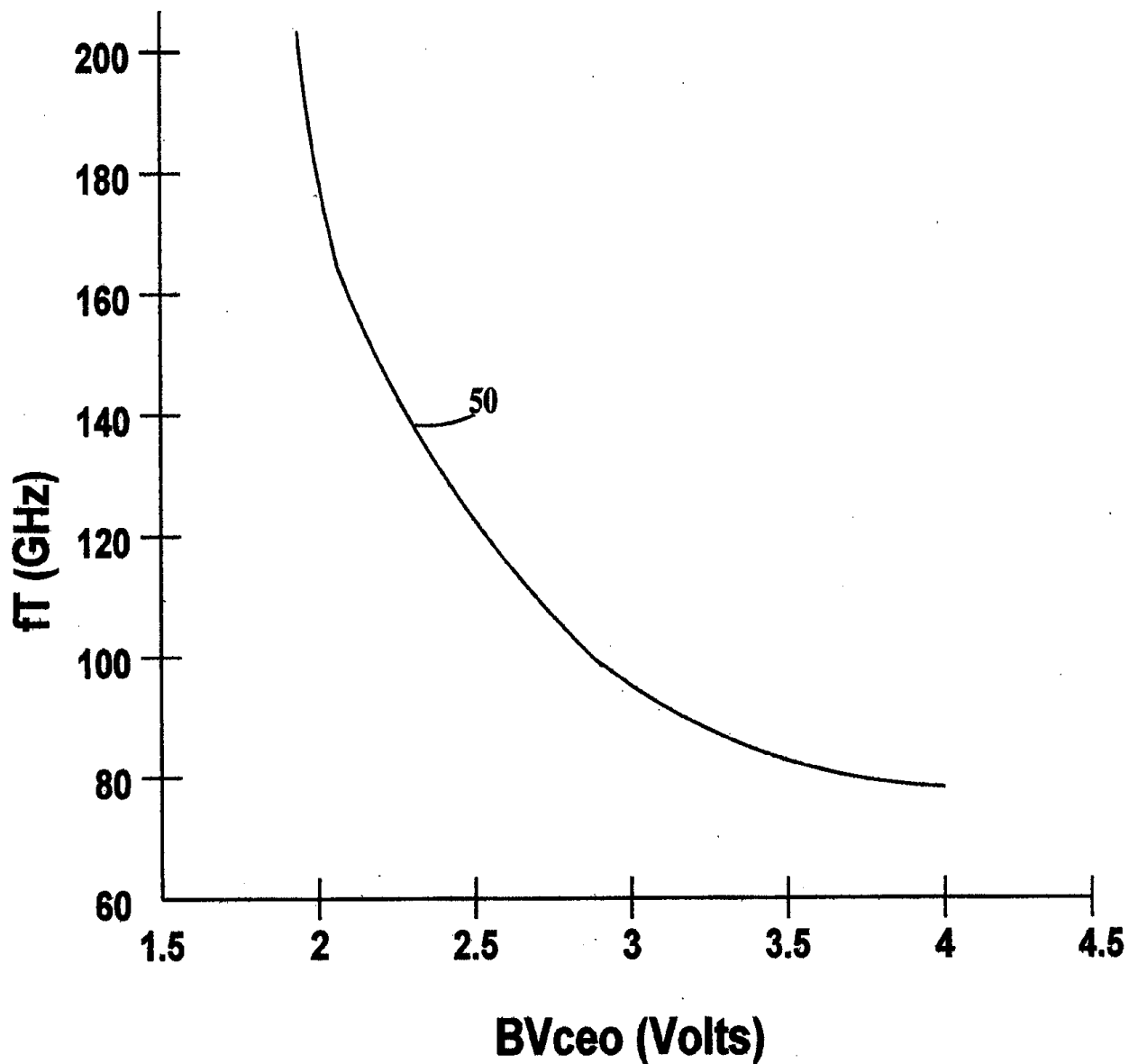


FIG. 1

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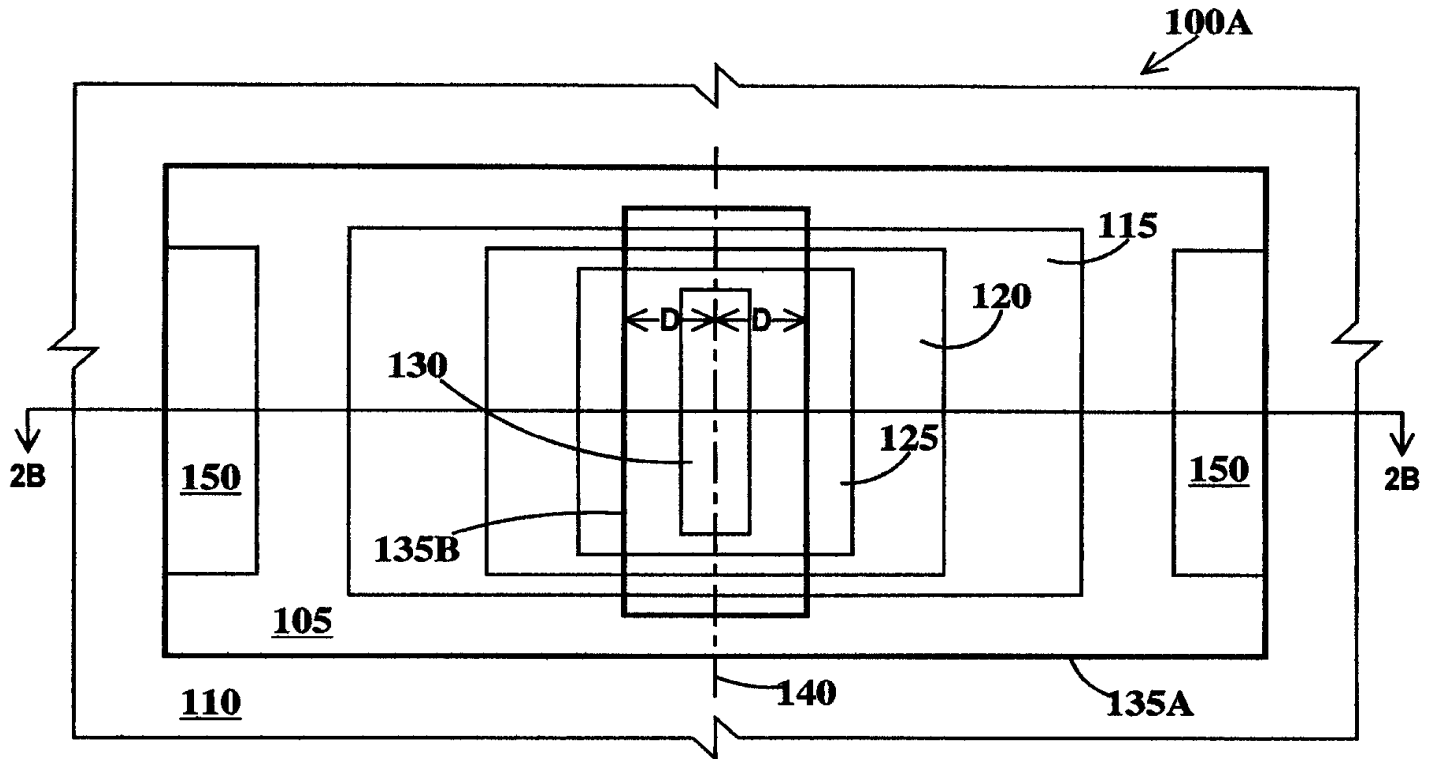


FIG. 2A

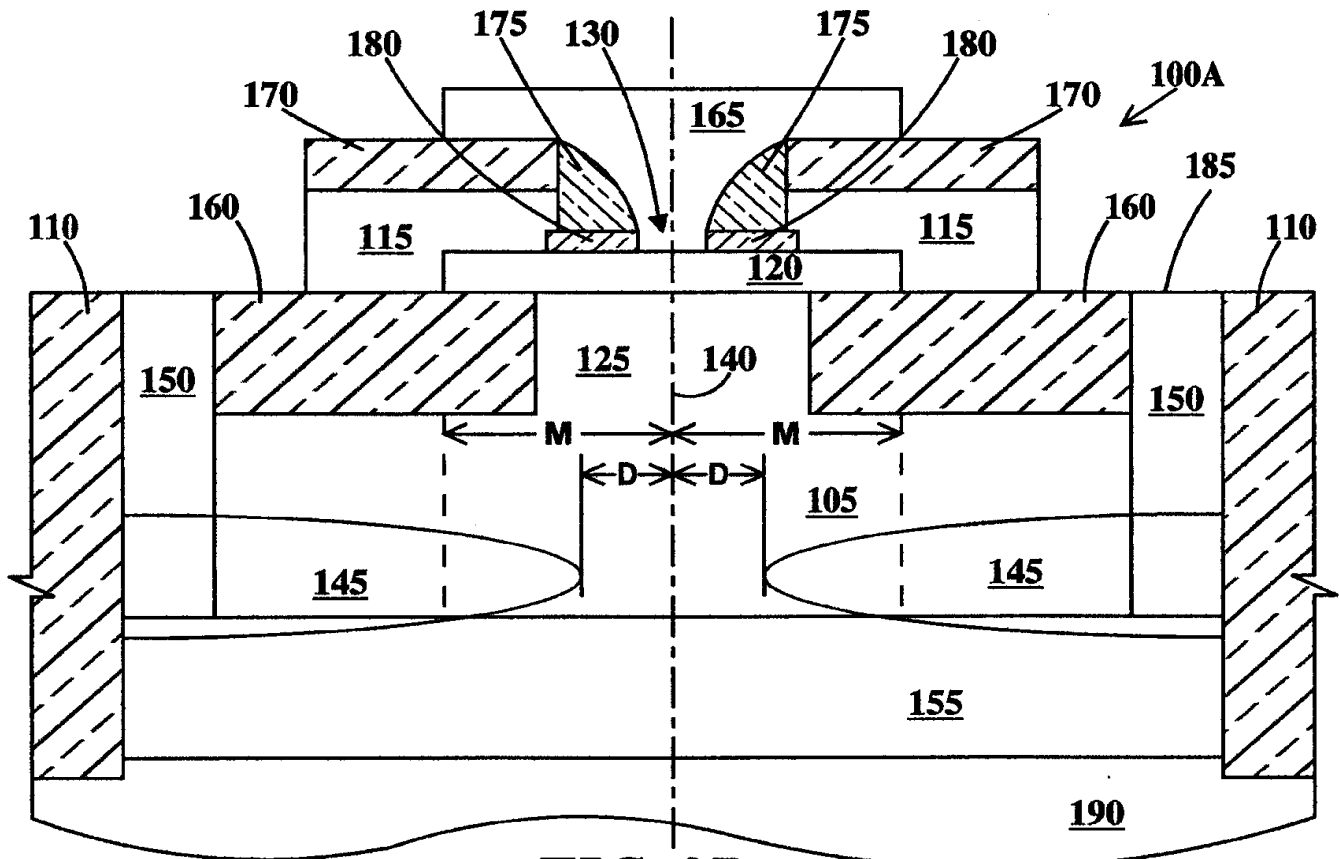


FIG. 2B

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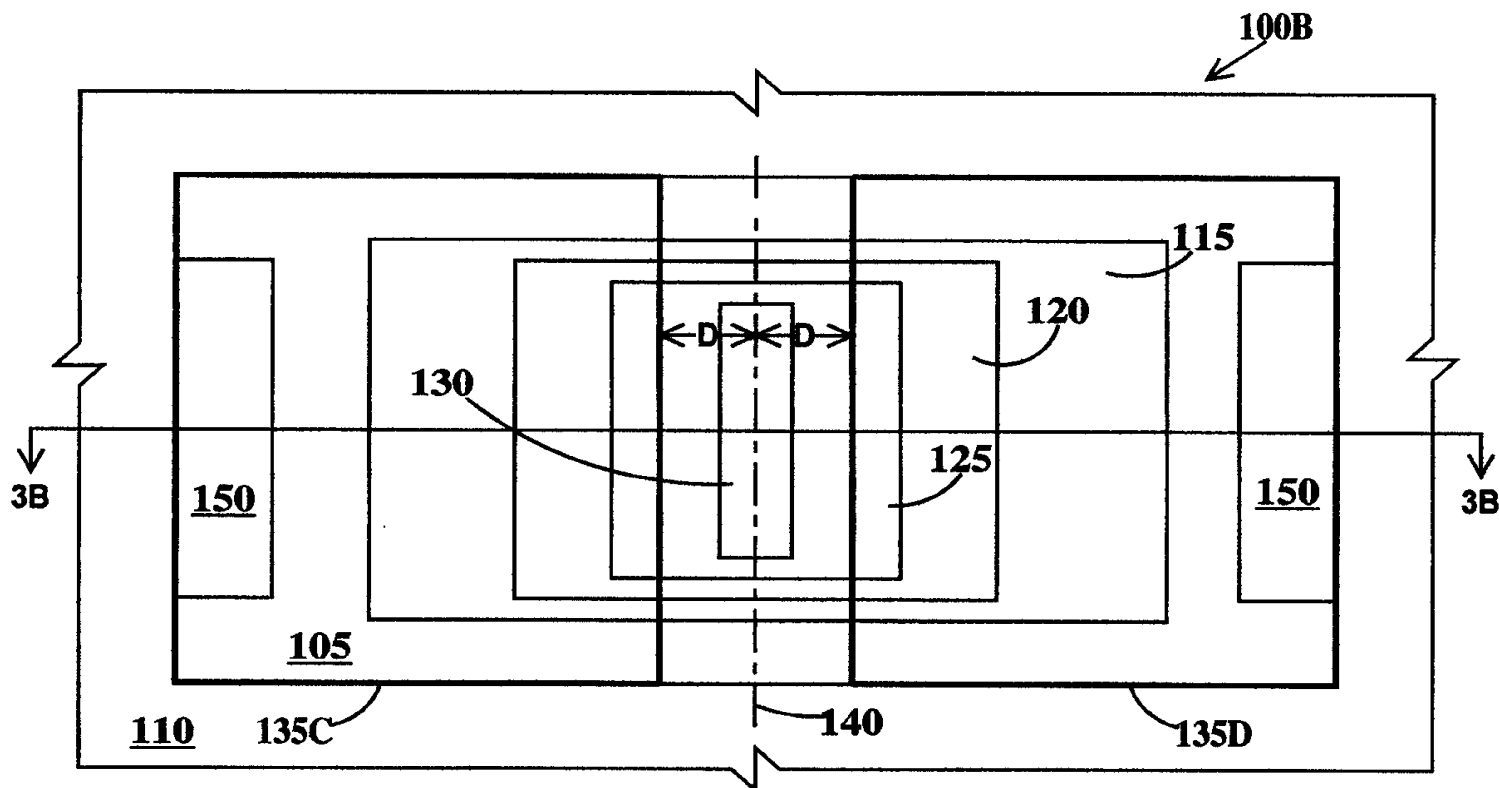


FIG. 3A

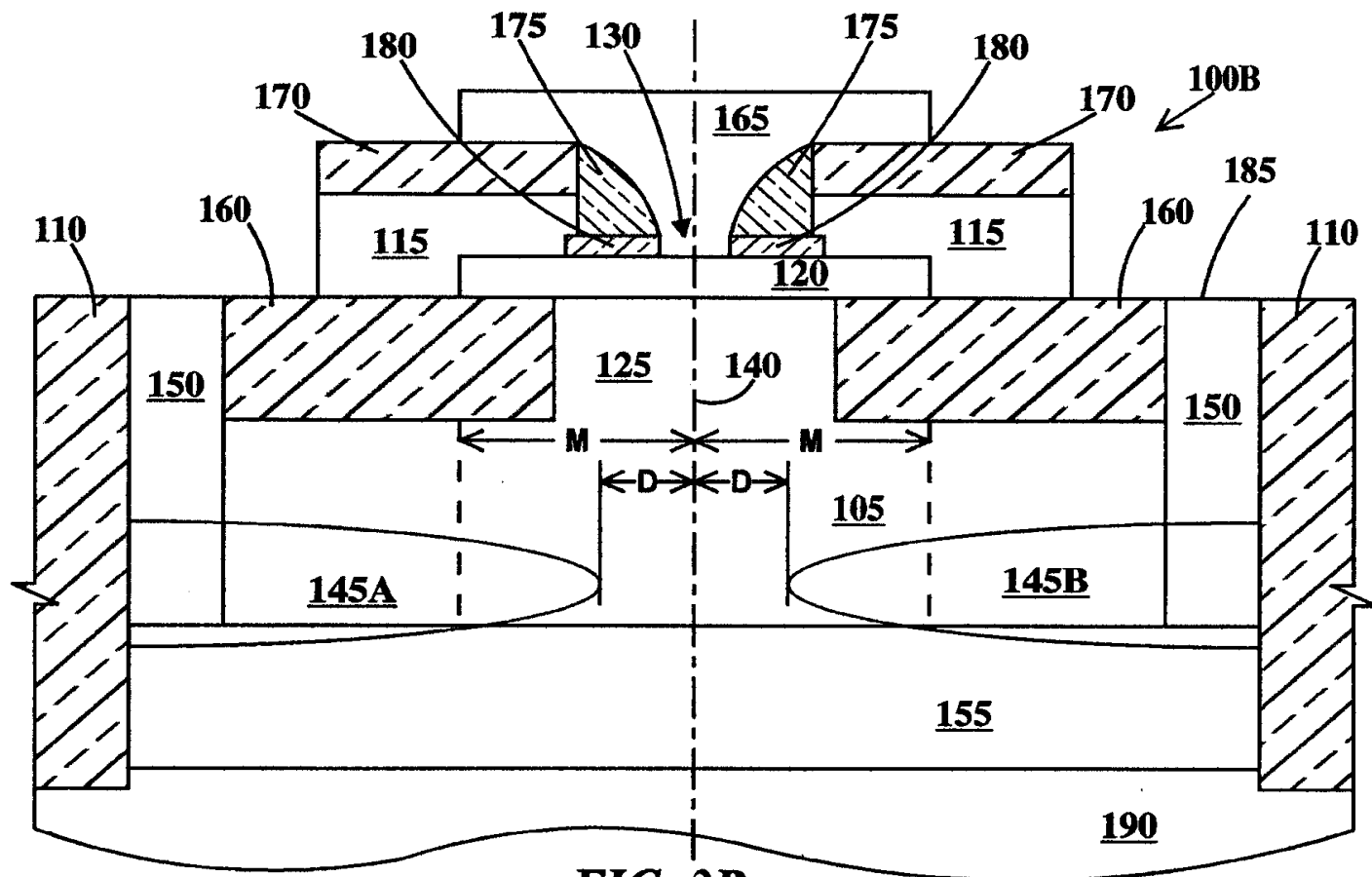


FIG. 3B

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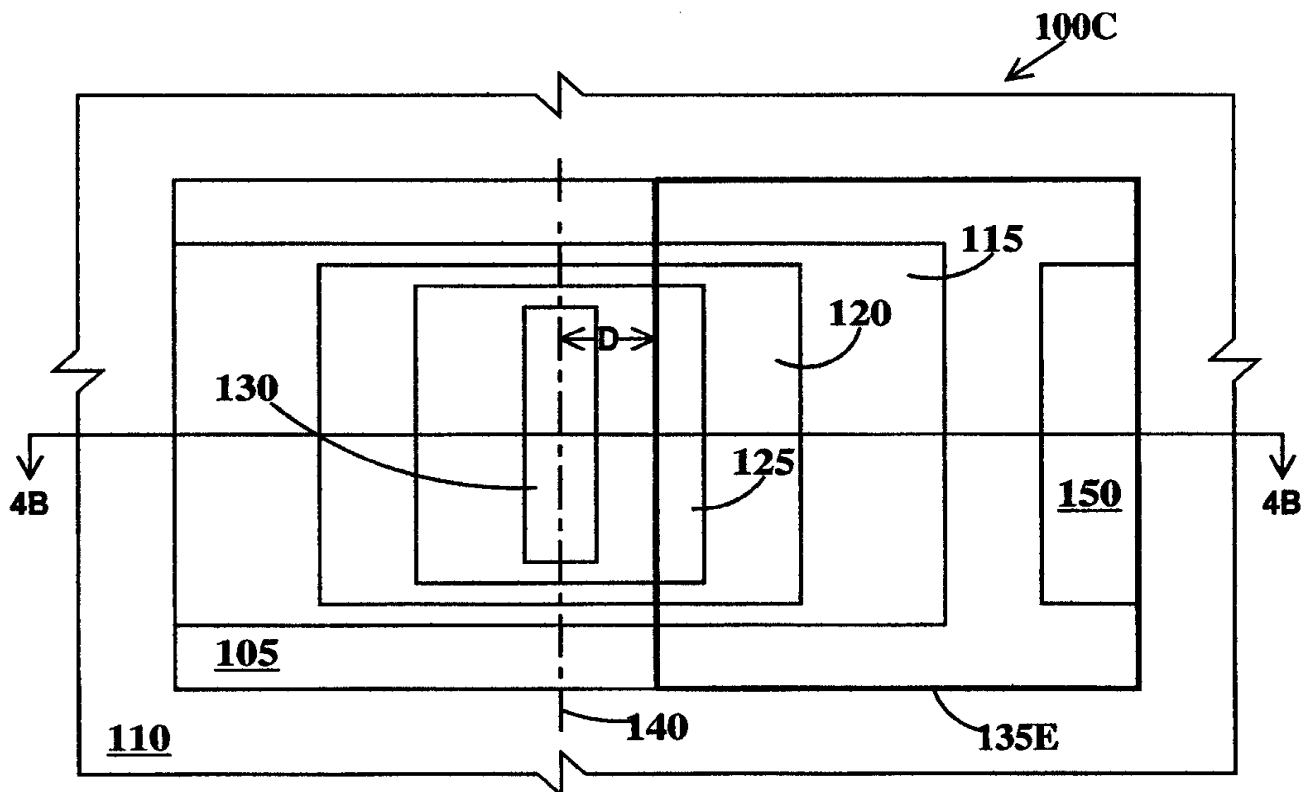


FIG. 4A

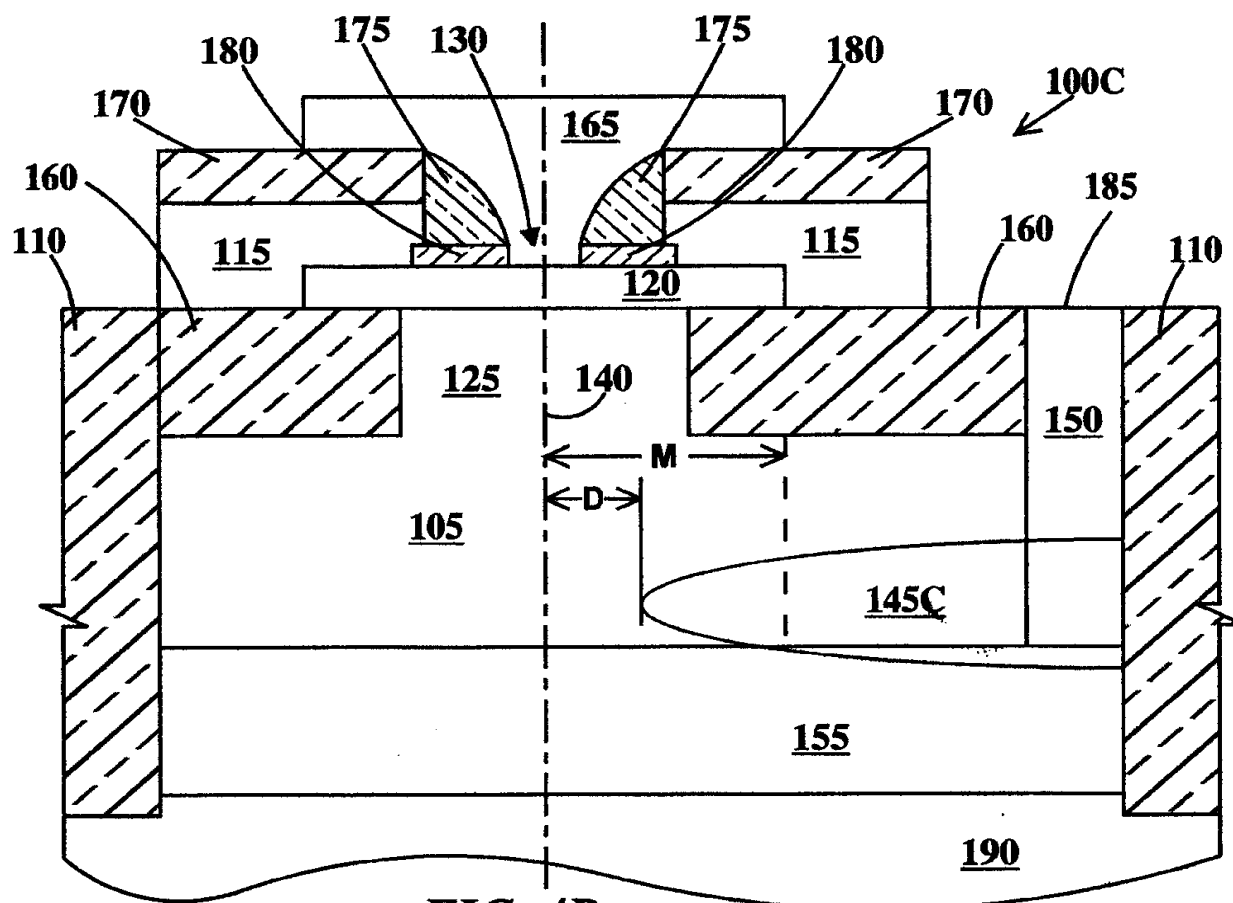
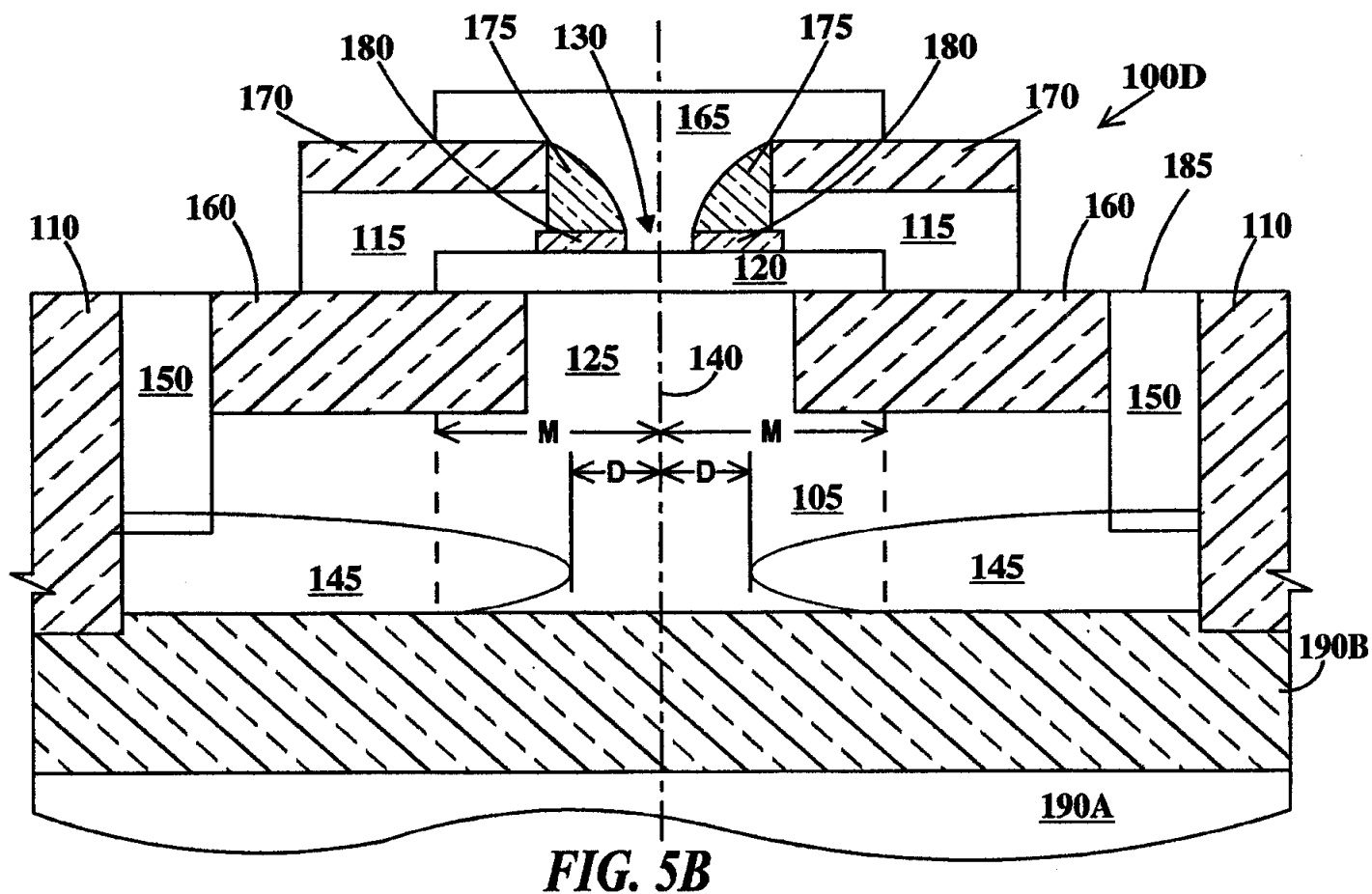


FIG. 4B



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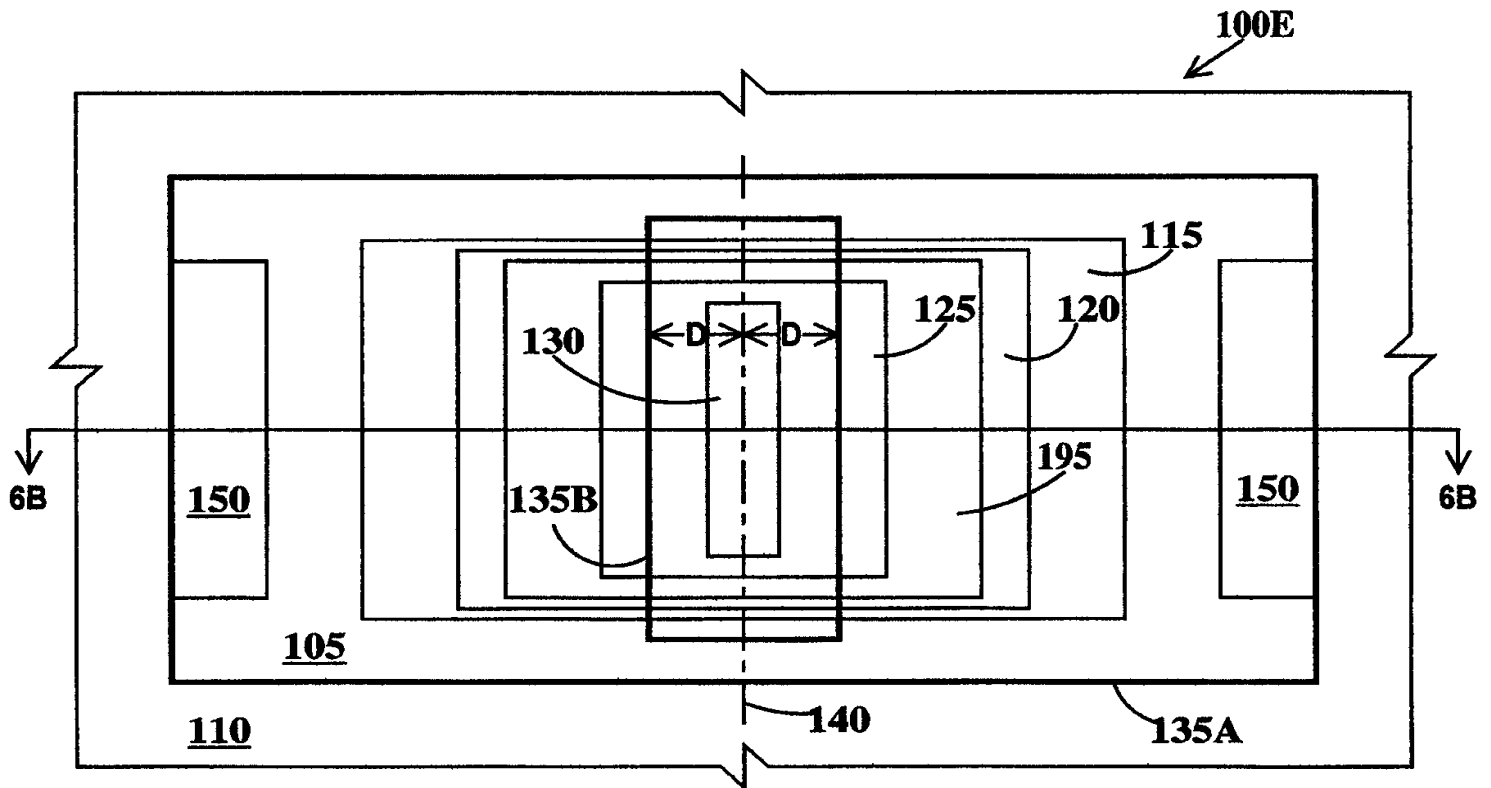


FIG. 6A

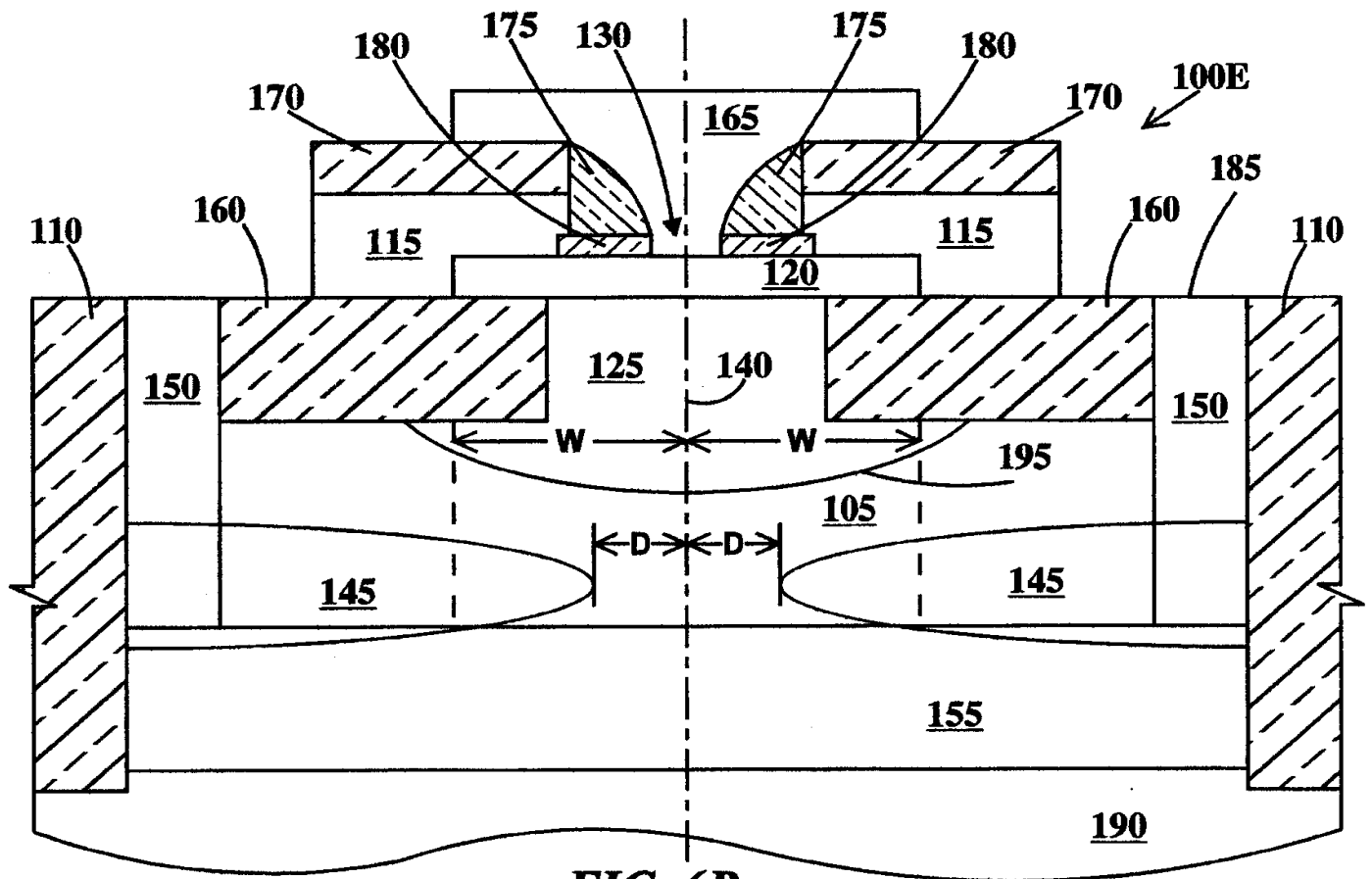


FIG. 6B

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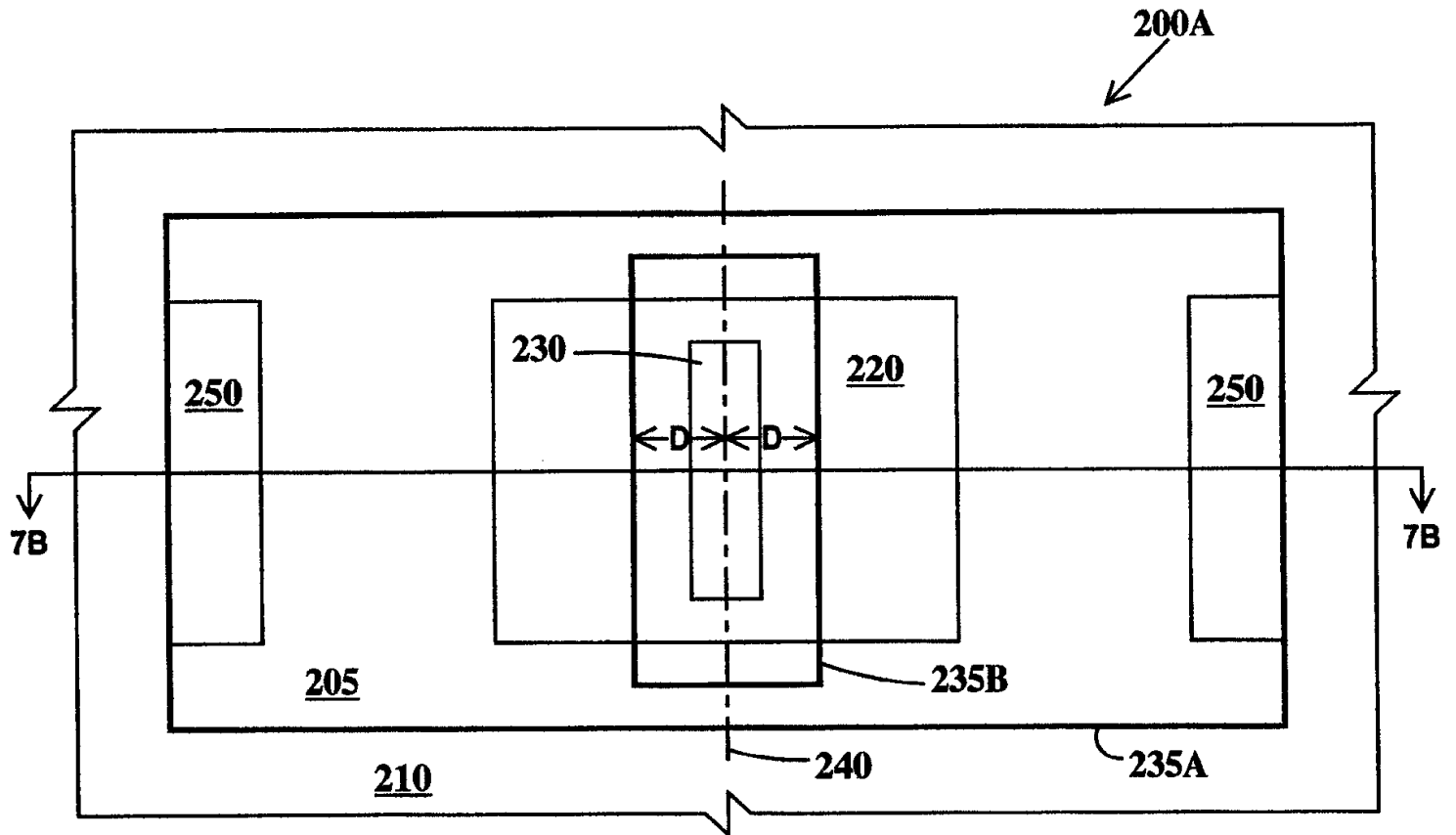


FIG. 7A

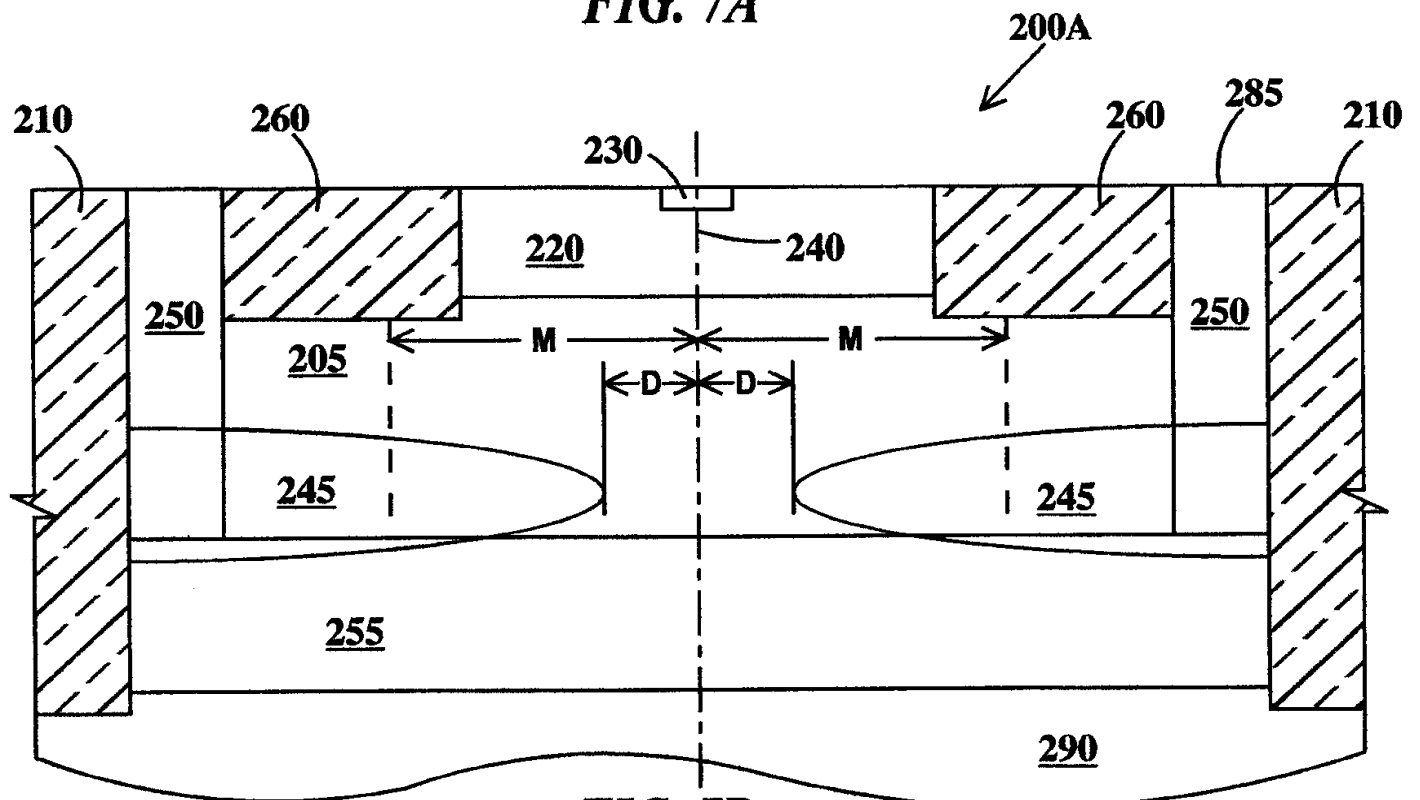


FIG. 7B

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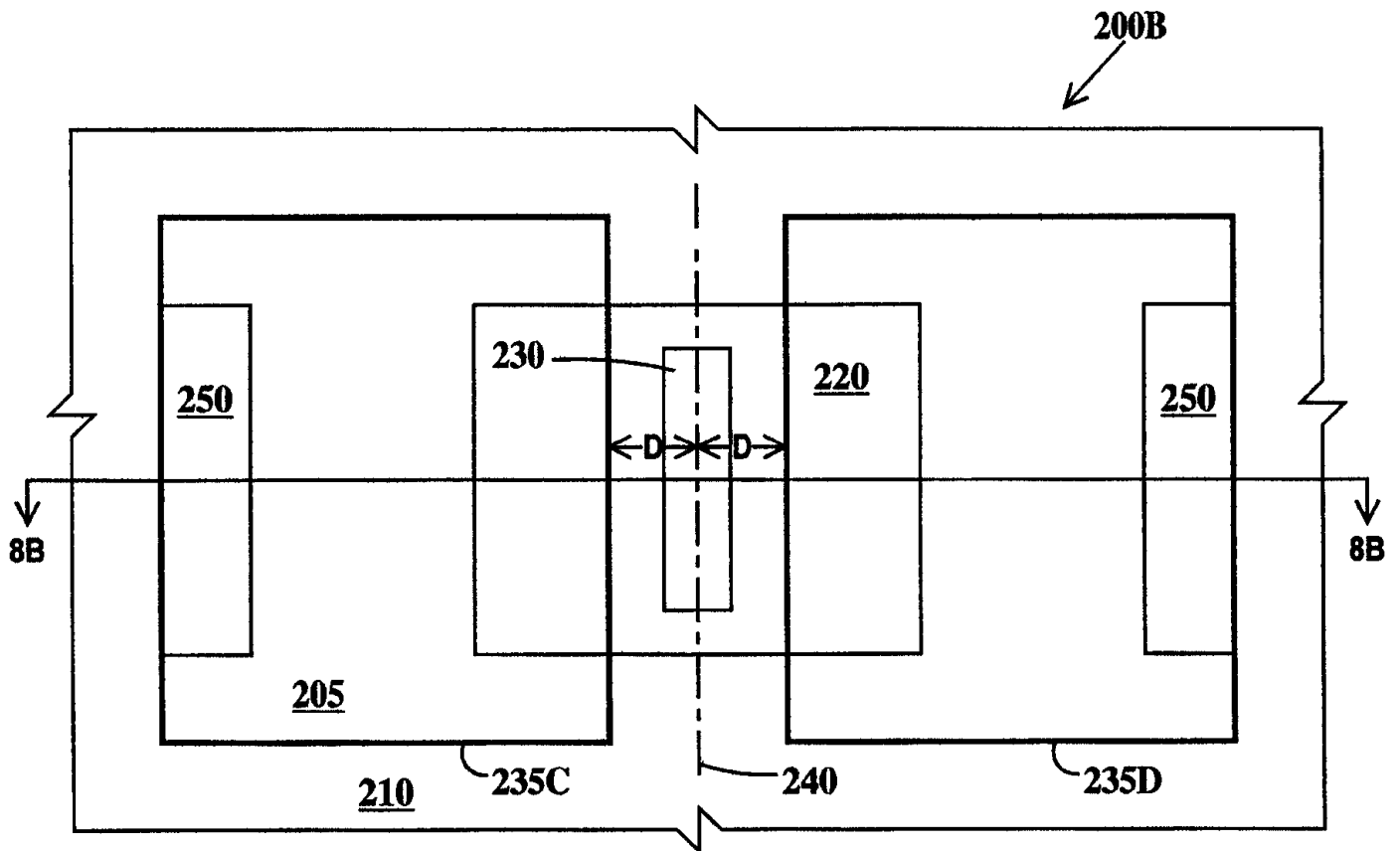


FIG. 8A

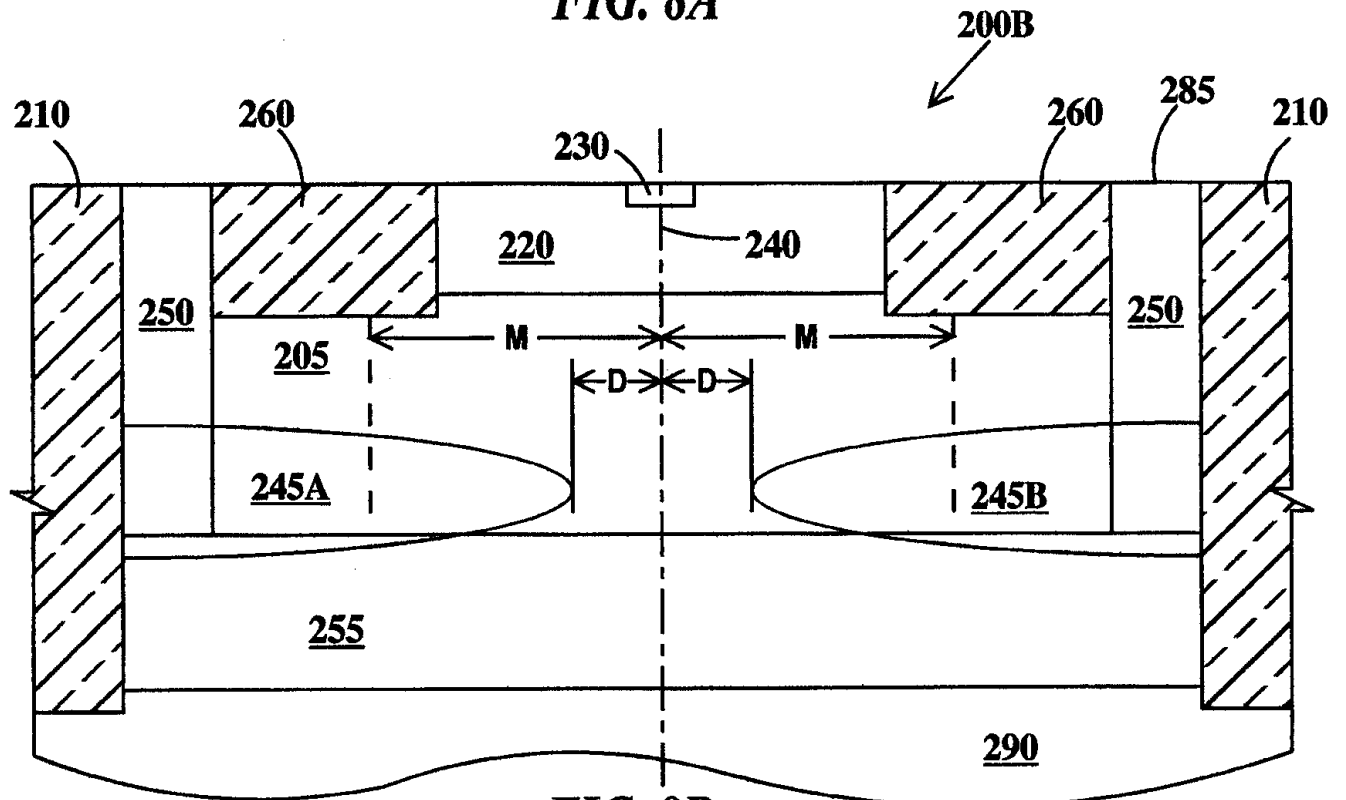


FIG. 8B

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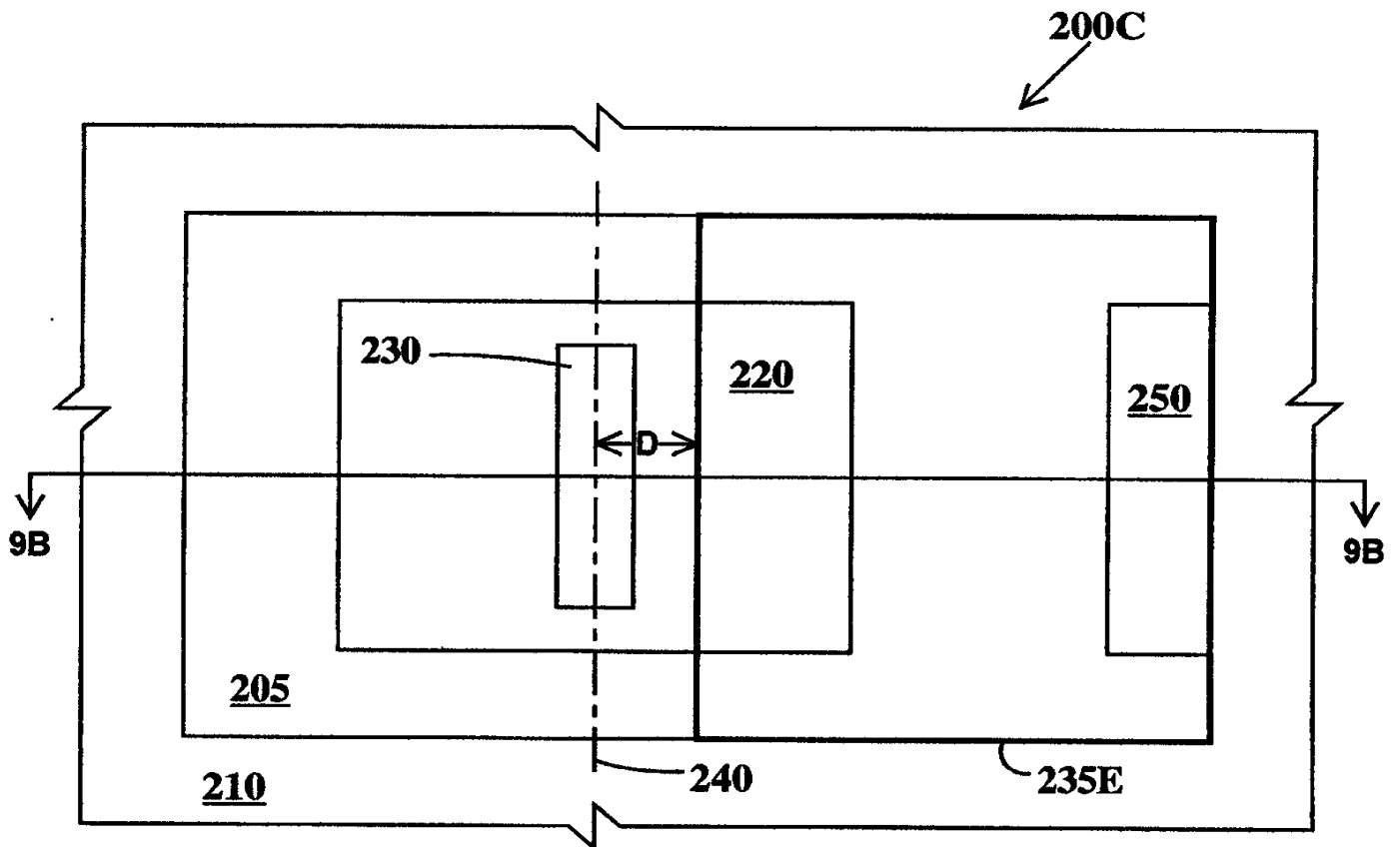


FIG. 9A

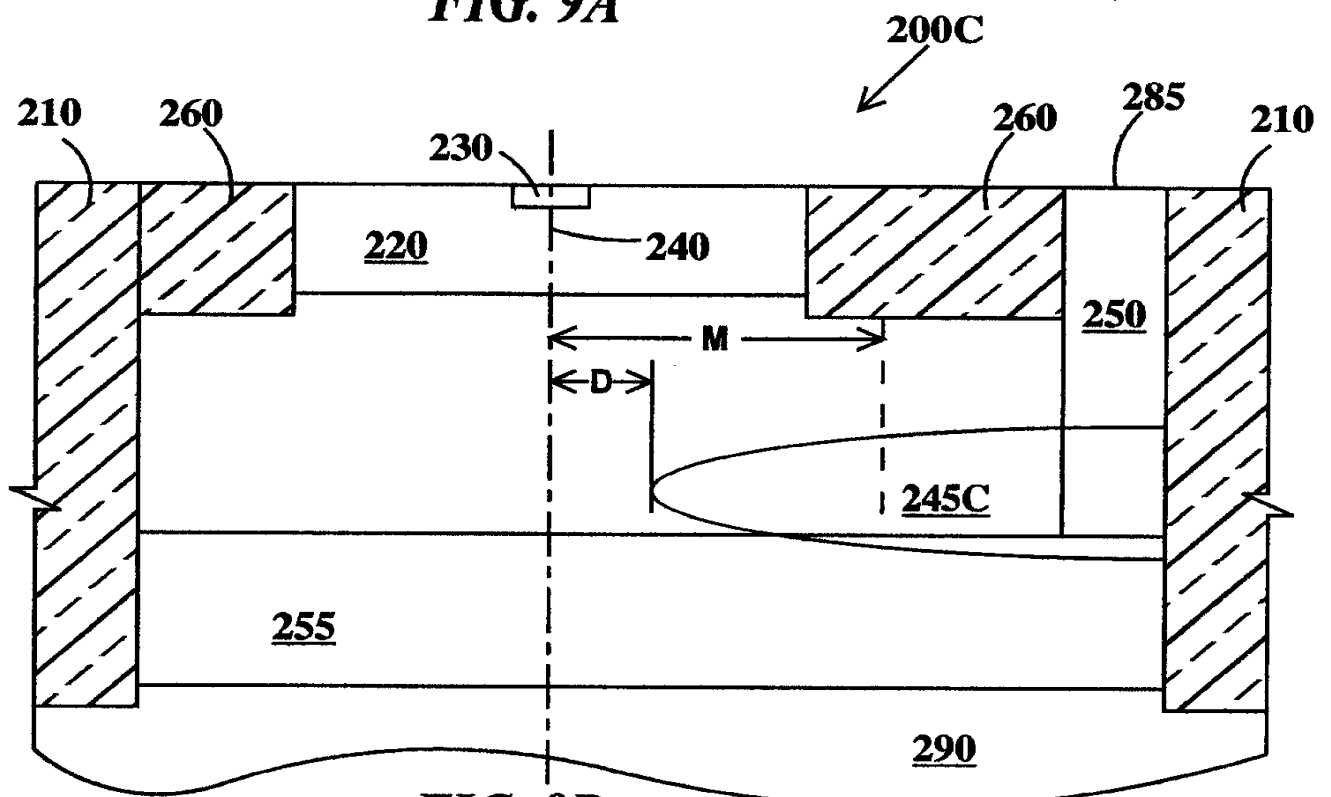


FIG. 9B

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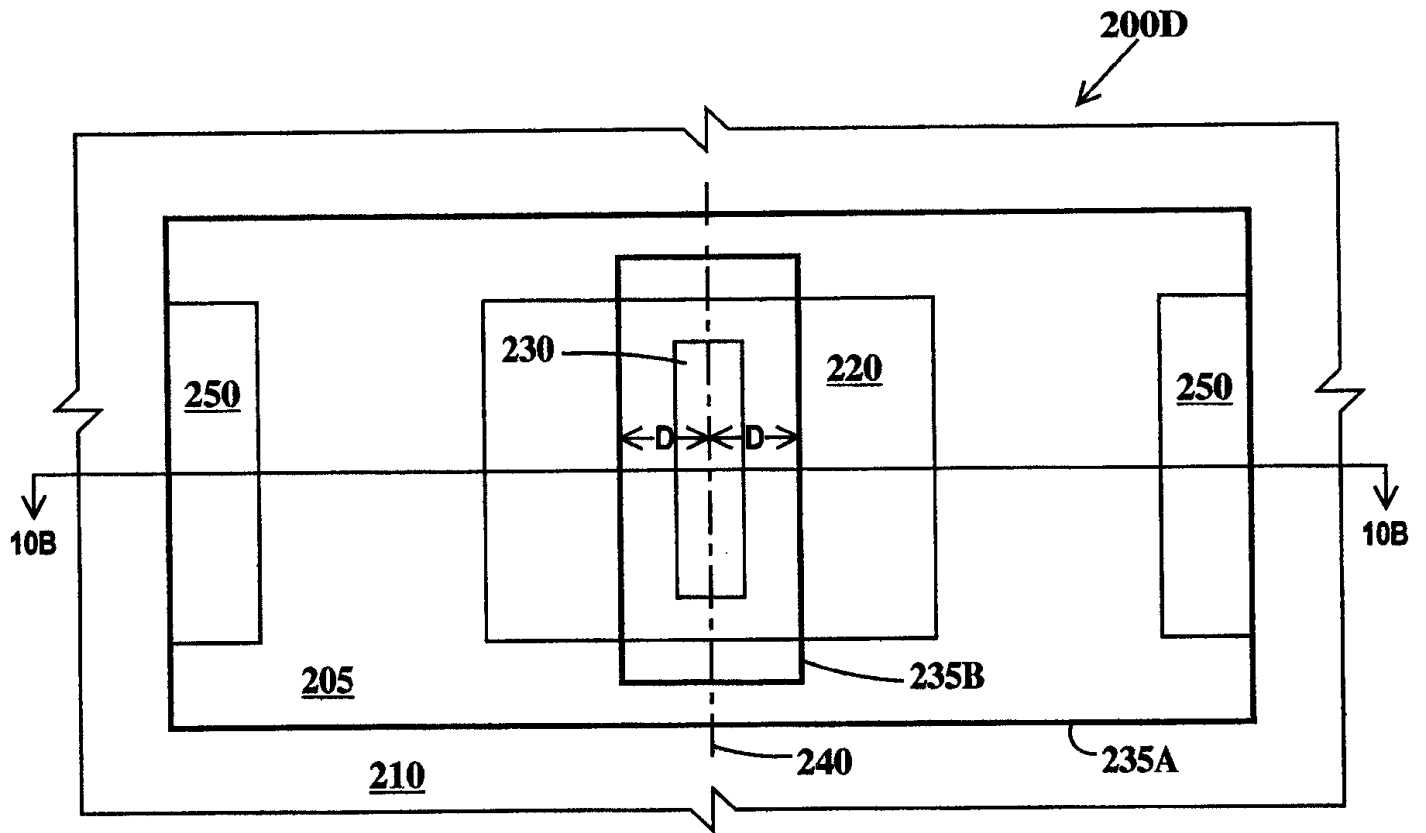


FIG. 10A

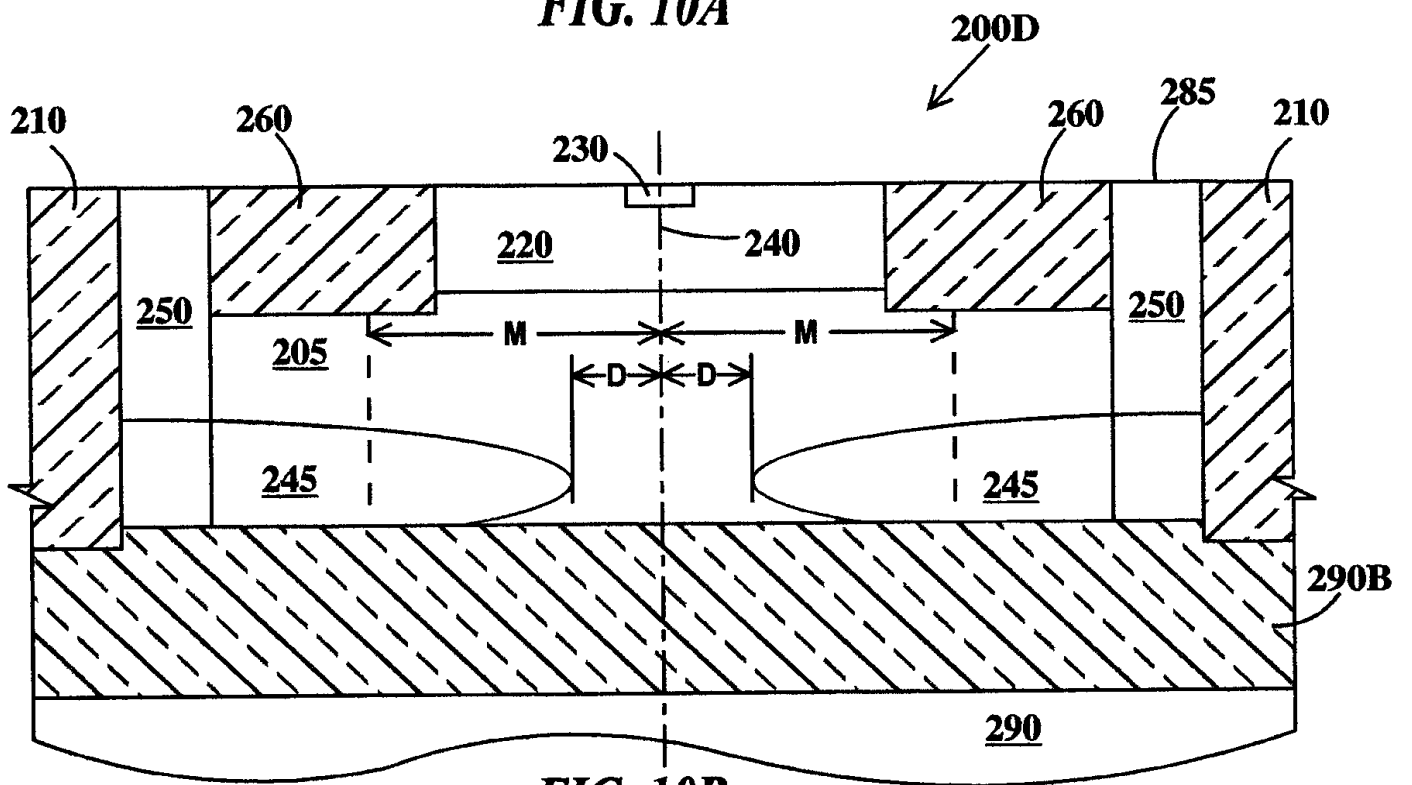


FIG. 10B

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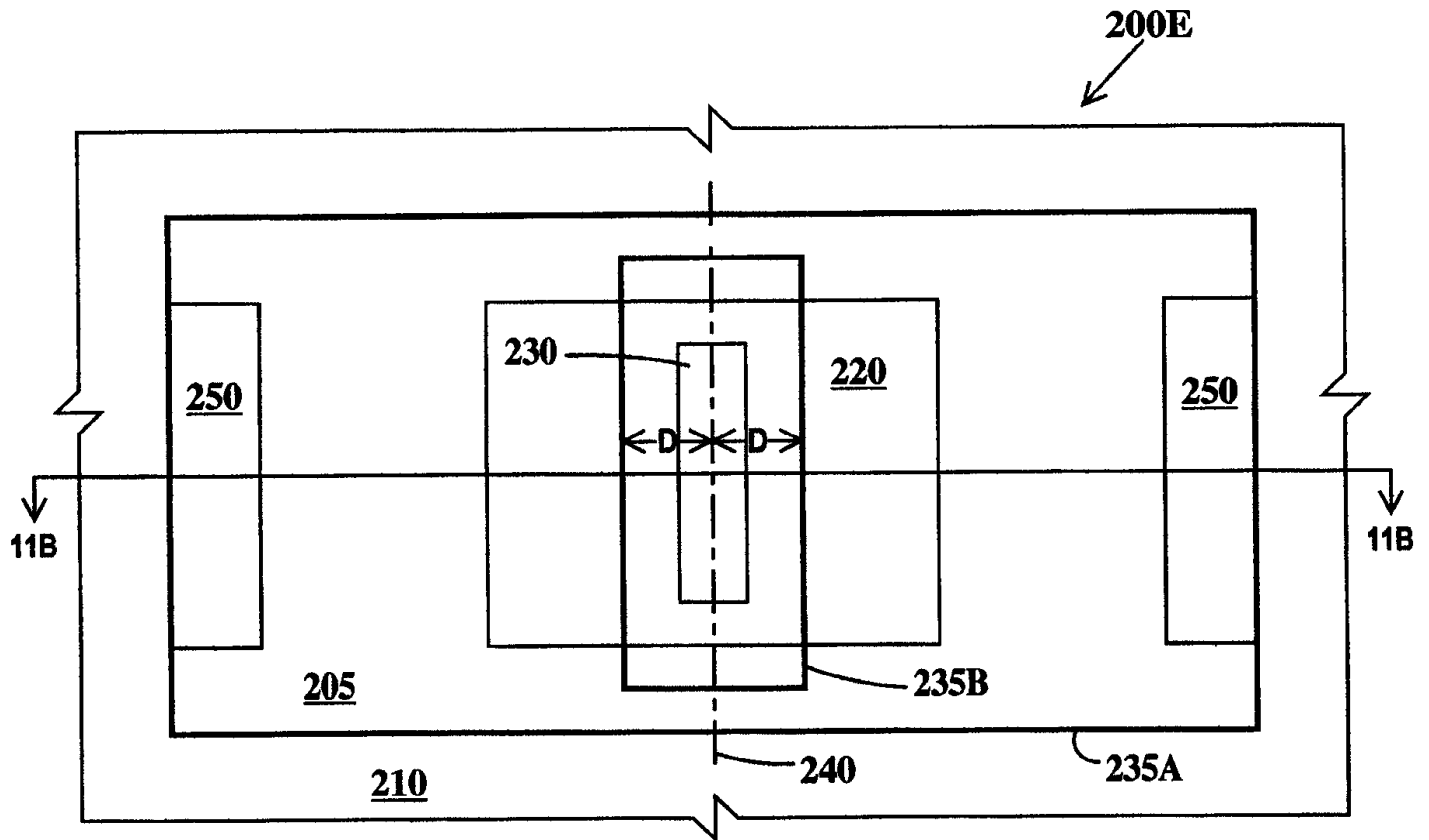


FIG. 11A

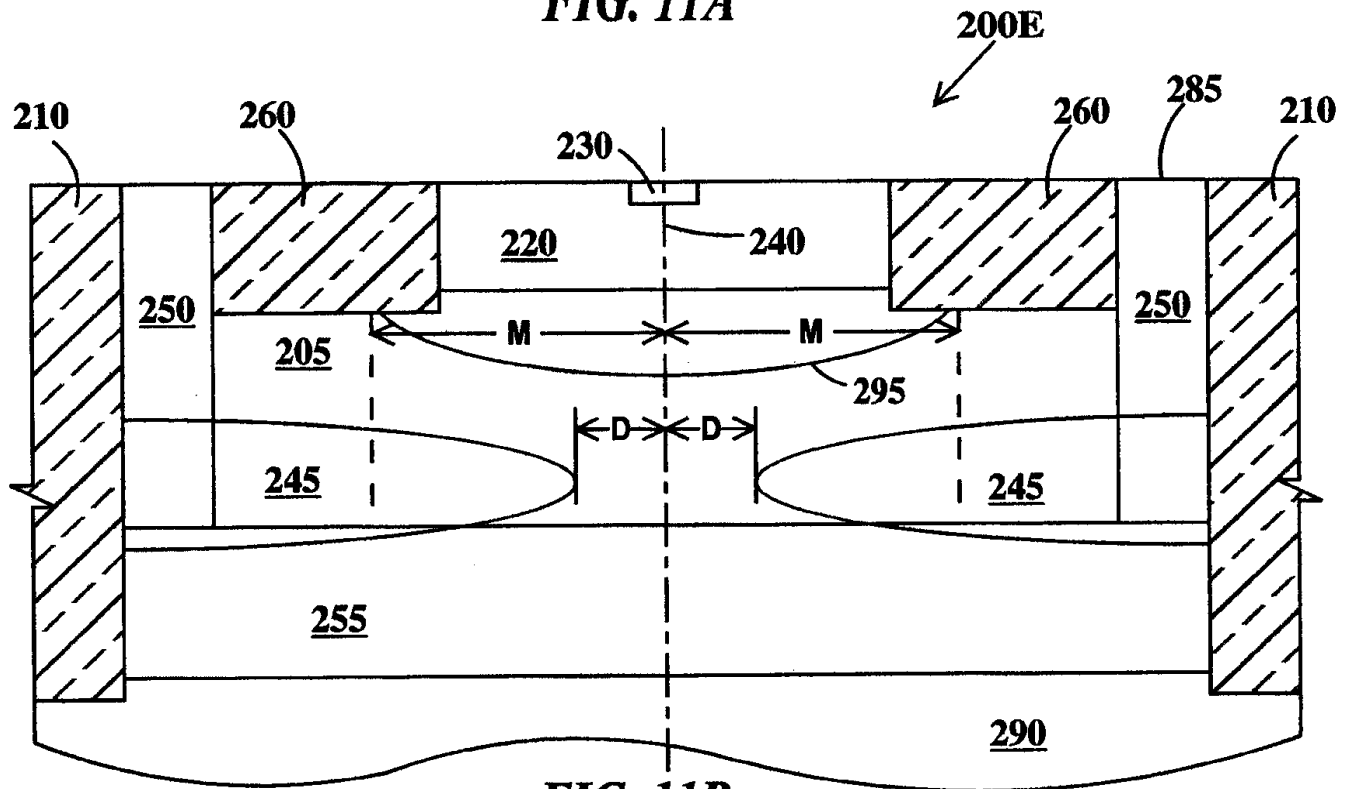
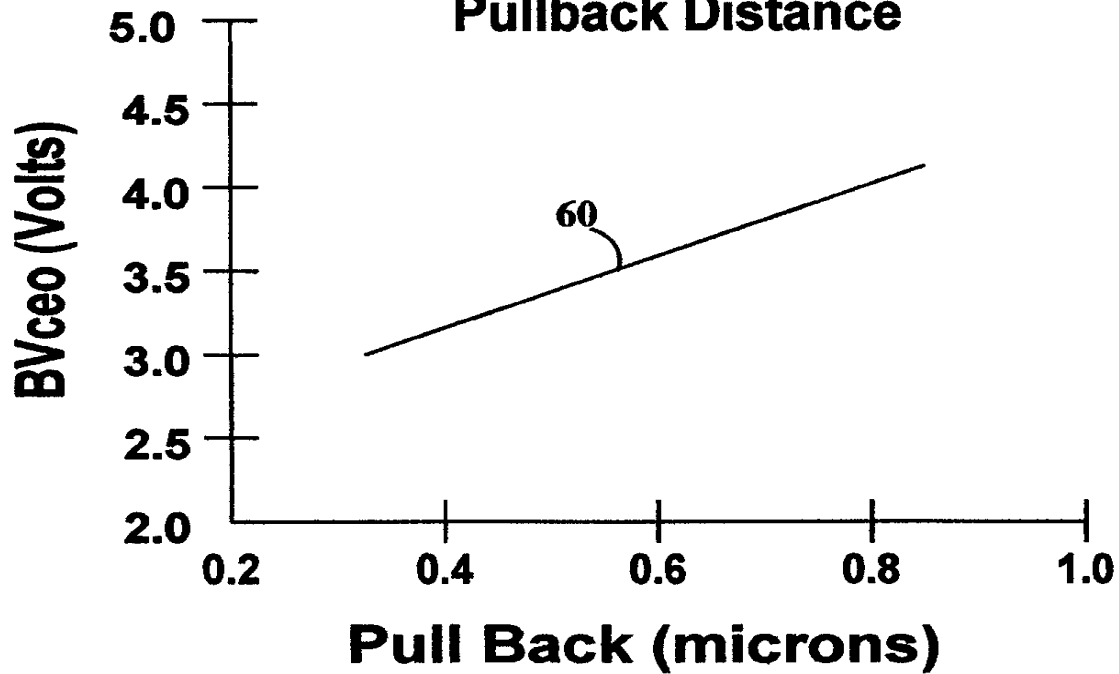
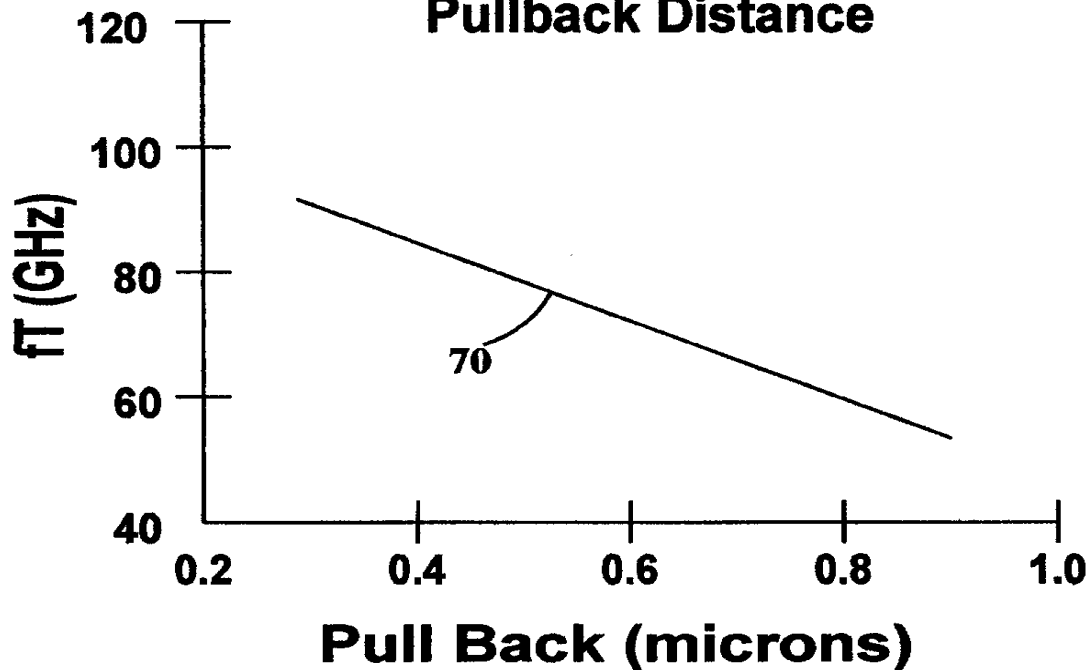


FIG. 11B

12/16**BV_{ceo} vs. Masked Subcollector
Pullback Distance*****FIG. 12A*****f_T vs. Masked Subcollector
Pullback Distance*****FIG. 12B***

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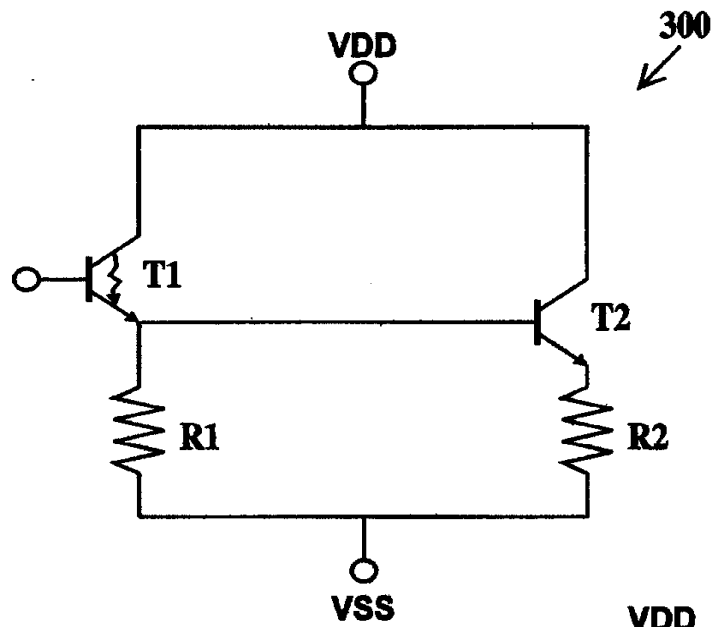


FIG. 13

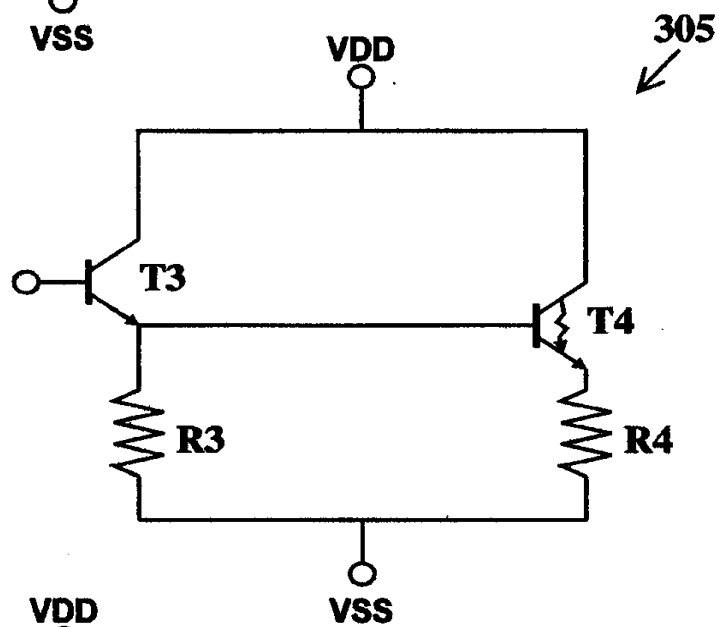


FIG. 14

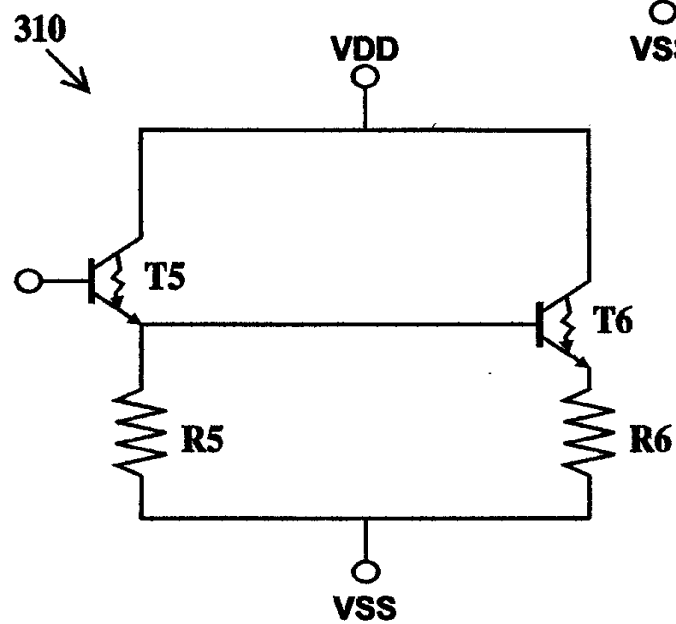


FIG. 15

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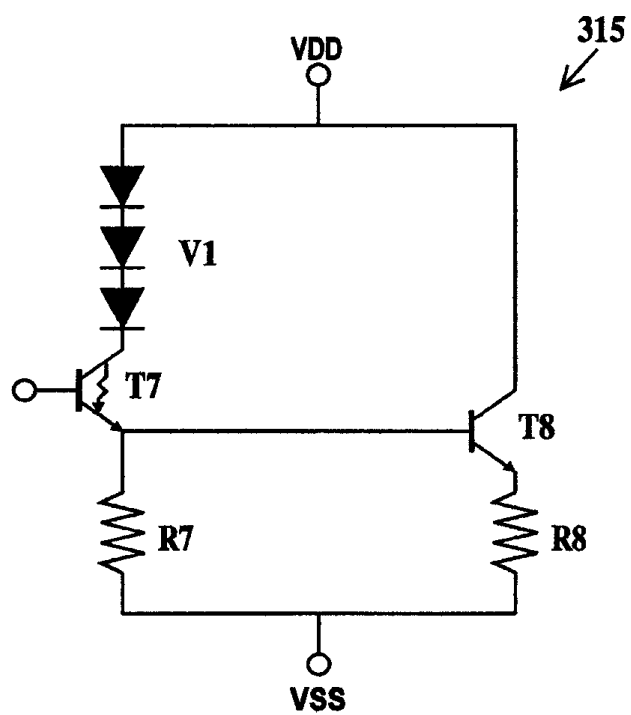


FIG. 16

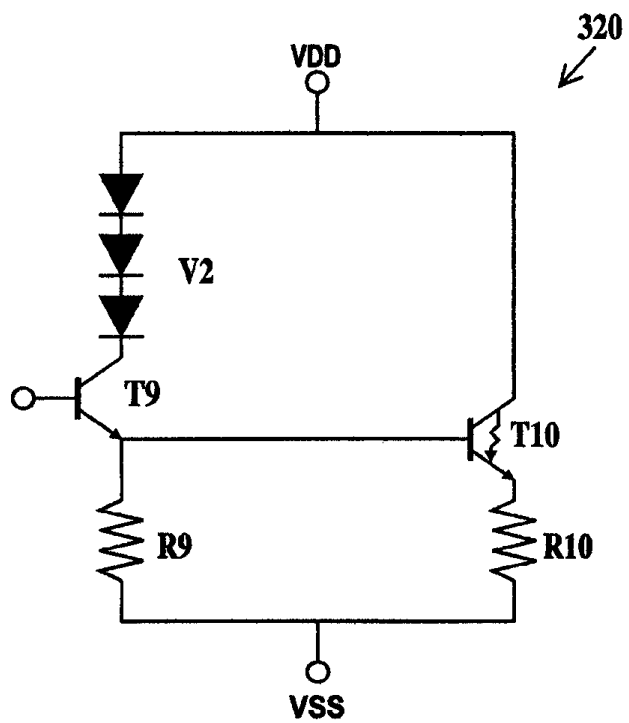


FIG. 17

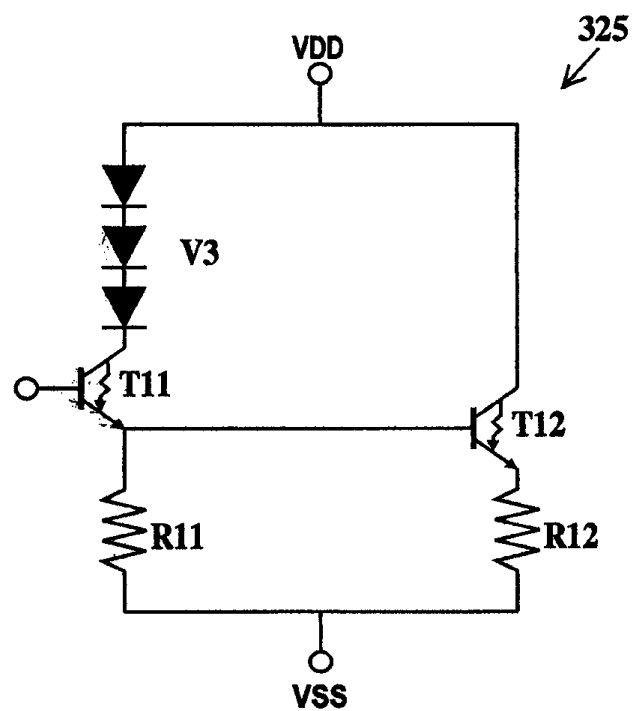


FIG. 18

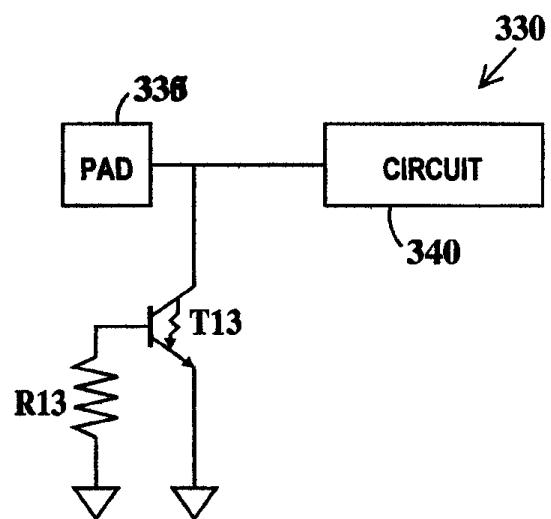


FIG. 19

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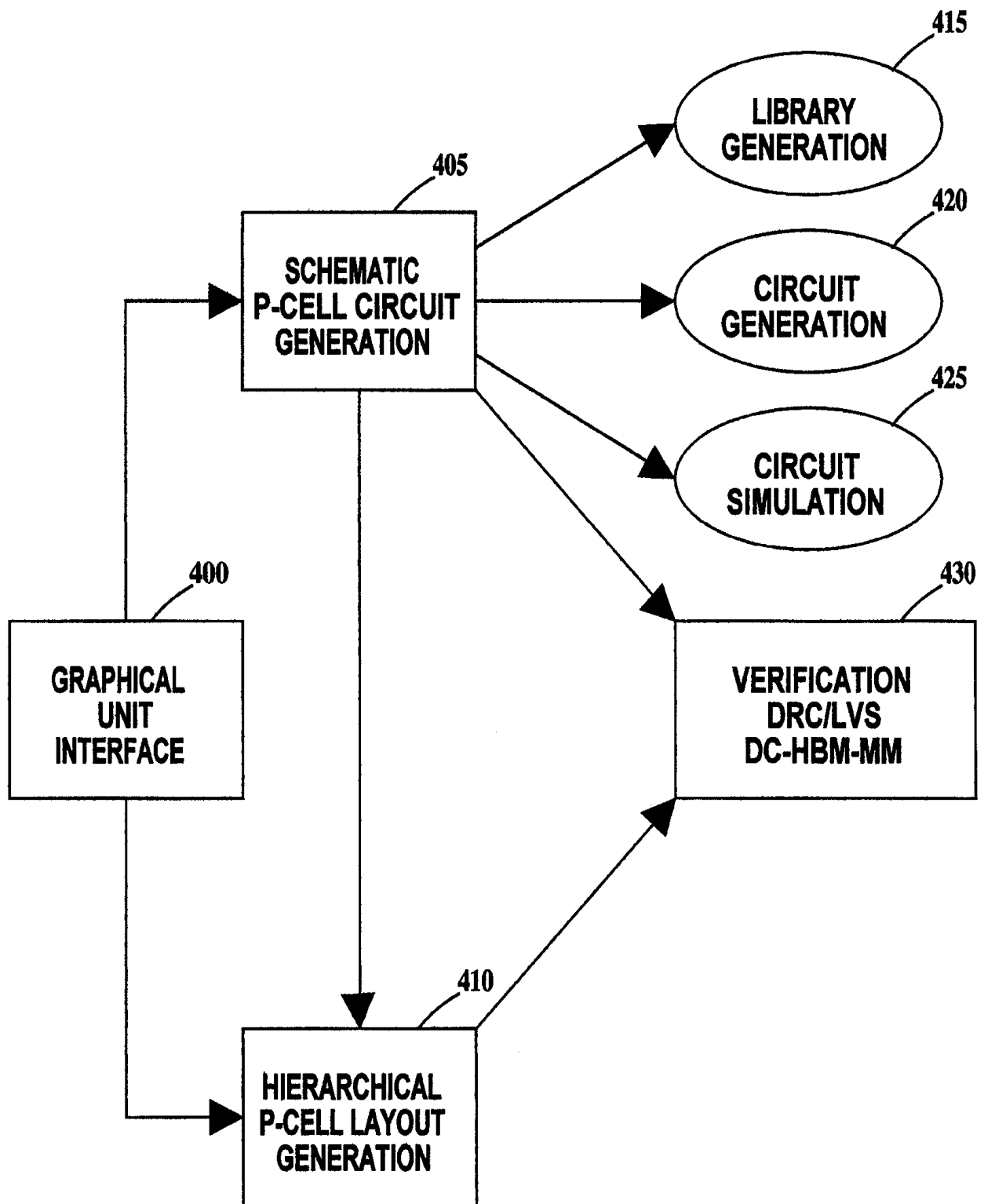


FIG. 20

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Cell Name 440

BVceo 445

fT 450

Tigger Voltage 455

Length 460

Width 465

435

FIG. 21

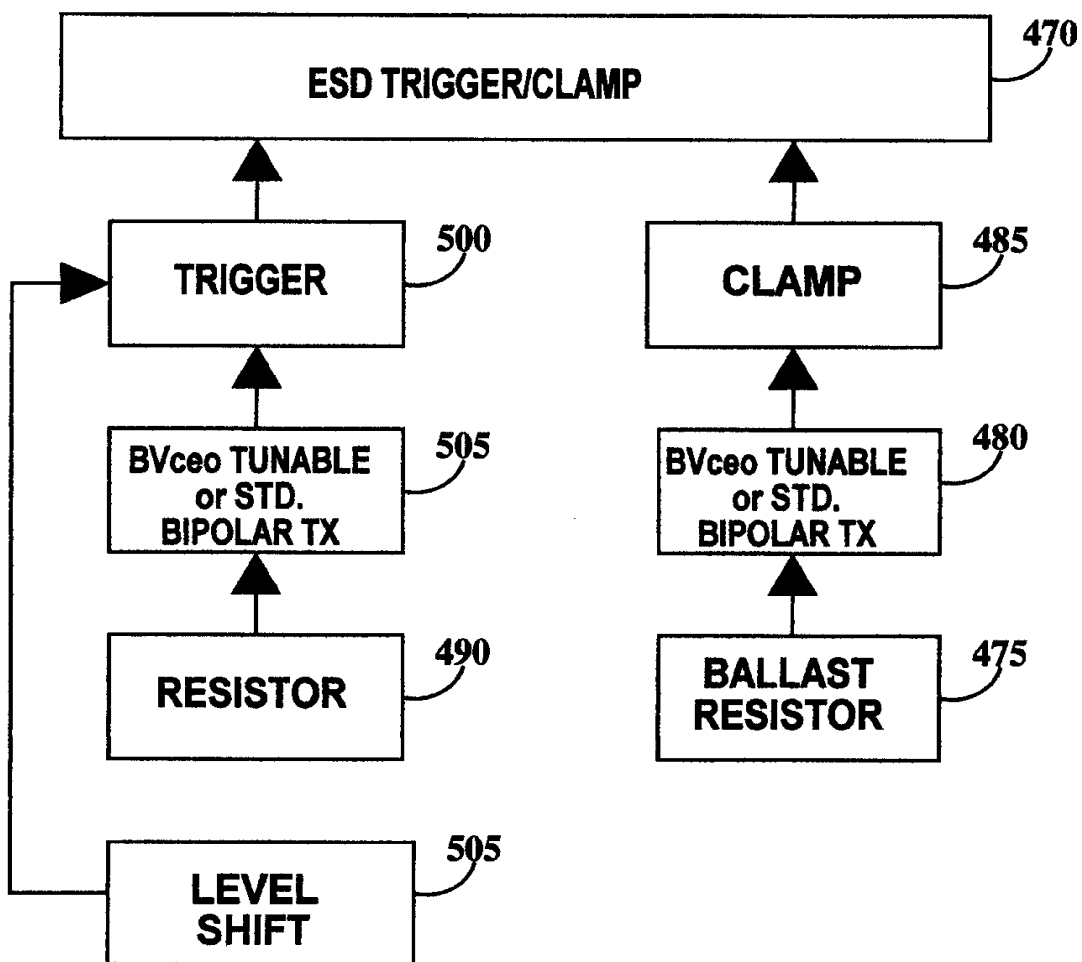


FIG. 22